WHAT IS CLAIMED IS

1. A radiation therapy device, comprising:

a radiation source positioned to direct a beam along a beam path toward a treatment area;

a treatment head containing a first collimator controllable to selectively collimate said beam; and

a second collimator removably positioned between said first collimator and said treatment area and controllable to selectively collimate said beam.

2. The radiation therapy device of claim 1, wherein said second collimator is removably mounted on an accessory tray of said radiation therapy device.

3. The radiation therapy device of claim 2, further comprising a first collimator drive and a second collimator drive, each said drive operable to selectively position individual leafs of said collimators.

4. The radiation therapy device of claim 3, wherein said second collimator drive is removably mounted on said accessory tray.

5. The radiation therapy device of claim 4, wherein said second collimator drive is positioned on an exterior of said accessory tray a distance from said beam path.

6. The radiation therapy device of claim 1, wherein said radiation source includes a photon radiation source and an electron radiation source.

7. The radiation therapy device of claim 2, wherein said first collimator is controllable to selectively collimate a photon beam generated by said photon radiation source.

8. The radiation therapy device of claim 2, wherein said second collimator is controllable to selectively collimate an electron beam generated by said electron radiation source.

9. The radiation therapy device of claim 1, wherein said first and said second collimators are controllable to selectively collimate said beam.

10. The radiation therapy device of claim 1, further comprising:

a helium-filled container, positioned along said beam path between said beam source and said second collimator.

11. The radiation therapy device of claim 1, further comprising a control unit coupled to said radiation source and to said first and said second collimator drives to selectively deliver a prescribed dose of radiation to said treatment area.

12. The radiation therapy device of claim 11, wherein said control unit is operable to control said radiation source to generate a photon beam and to cause said second collimator drive to position leaves of said second collimator away from said beam path to deliver a prescribed dose of photon radiation to said treatment area.

13. The radiation therapy device of claim 11, wherein said control unit is operable to control said radiation source to generate an electron beam and to cause said first collimator drive to position leaves of said first collimator

away from said beam path to deliver a prescribed dose of electron radiation to said treatment area.

14. A radiation therapy device, comprising:

a control unit;

a radiation source, controlled by said control unit to generate one of a photon beam and an electron beam along a beam path toward a treatment area;

a first collimator, positioned between said radiation source and said treatment area, said first collimator selectively positioned by said control unit to collimate said photon beam; and

a second collimator, removably mounted between said first collimator and said treatment area, said second collimator selectively positioned by said control unit to collimate said electron beam.

15. The radiation therapy device of claim 14, wherein said second collimator is removably mounted on an accessory tray of said radiation therapy device.

16. The radiation therapy device of claim 14, further comprising:

a container positioned along said beam path between said first and second collimators.

17. The radiation therapy device of claim 16, wherein said container is filled with helium.

18. The radiation therapy device of claim 15, further comprising drive electronics coupled between said control unit and said second collimator, said drive electronics mounted on an exterior of said accessory tray, and operable to position individual leaves of said second collimator.

19. A radiation therapy system, comprising:

a control unit;

a treatment head having an enclosed area and an accessory tray;

a photon radiation source, selectively operated by said control unit to generate a photon beam along a beam path from said treatment head toward a treatment zone;

an electron radiation source, selectively operated by said control unit to generate an electron beam along said beam path from said treatment head toward said treatment zone;

a photon collimator, located between said photon radiation source and said treatment zone; and

an electron collimator, removably mounted on said accessory tray, said electron collimator selectively positioned by said control unit to collimate said electron beam.

20. An electron collimator for use in collimating an electron beam in a radiation therapy device, the collimator comprising:

drive electronics, removably mounted on an exterior of an accessory tray of said radiation therapy device; and

a plurality of leaves positionable by said drive electronics to move across a path of said electron beam, said plurality of leaves removably mounted on said accessory tray of said radiation therapy device.

21. A radiation therapy device, comprising:

a radiation source positioned to selectively direct an electron beam and a photon beam along a beam path toward a treatment area;

a treatment head containing a first collimator controllable to selectively collimate said photon beam; and

a second collimator positioned between said first collimator and said treatment area and controllable to selectively collimate said electron beam.

22. A radiation therapy method, comprising:

operating a radiation source to direct a beam from a treatment head along a beam path toward a treatment area;

selectively controlling a first collimator to collimate said beam;

selectively controlling a second collimator to collimate said beam, said second collimator removably positioned between said first collimator and said treatment area.

23. A radiation therapy method, comprising:

selecting between an electron treatment beam and a photon treatment beam;

directing said selected beam from a radiation source along a beam path toward a treatment area;

selectively controlling a first collimator to collimate said selected beam if said selected beam is said photon beam; and

selectively controlling a second collimator to collimate said selected beam if said selected beam is said electron beam, wherein said second collimator is positioned between said first collimator and said treatment area.